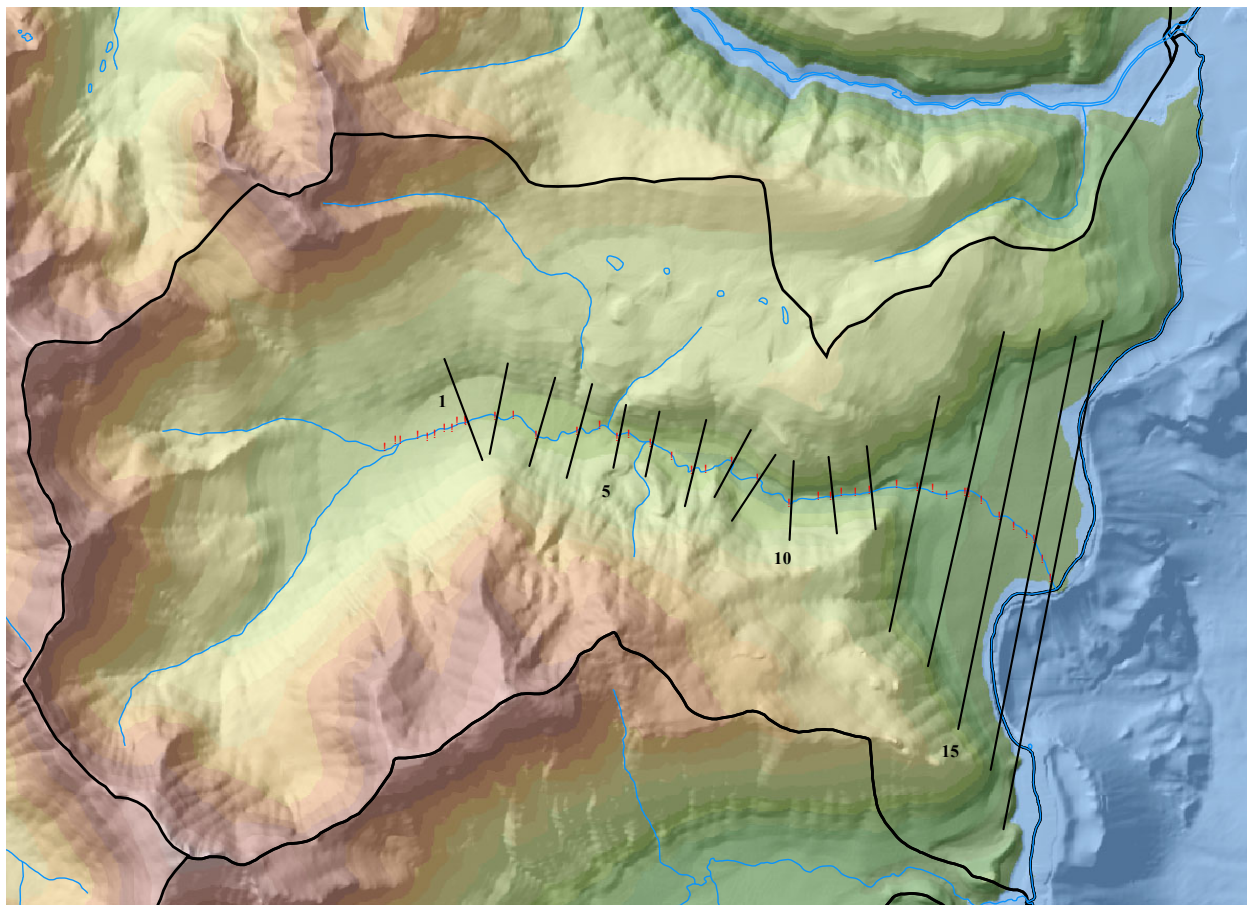


modeling reach is composed of 46 cross sections (Figure 5-29). These cross sections are hereafter referred to as cross sections “1” through “46,” where “1” is the most upstream cross section and “46” is the most downstream cross section. Cross sections “1” (river km 24.19) through “28” (river km 10.84) were surveyed during the data collection campaign in the fall of 2002 (see section 2.2). Cross sections “19” (river km 13.70) through “26” (river km 11.68) were surveyed by the California State Parks repeatedly between 1992 and 2001. Cross sections “29” (river km 10.56) through “41” (river km 3.37) were surveyed by Mussetter Engineering in 2001. Cross sections “42” (river km 2.77) through “46” (river km 0.38) were surveyed by Entrix Incorporated in 2001.



**Figure 5-30. Modeling reach and cross section locations along Ward Creek. Cross section transects are shown in black.**

Physical Properties. Roughness values were assigned to bed, bank, and floodplain sections of each cross section based on visual inspection of the channel and following guidelines set forth by Aldridge and Garrett (1973) and Jarrett (1985). Bed- and bank-material composition and properties at each cross section were provided by local sediment samples and BST tests (section 2.3). The average silt/clay composition of the streambanks throughout the modeled reach is 14%. In case these data were locally unavailable, data collected at the nearest similar site were used. Table G-2 in the appendix lists the data used at each cross section.